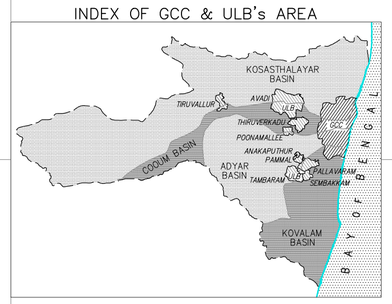
LIST OF POINTS

Sl No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	6.760	–	6.597	–	–
2	A2	C	7.128	5.846	7.172	1.500	0.982
3	B1 (OL)	C	6.128	4.745	6.346	0.000	1.383
4	B2	C	6.401	5.533	6.160	0.900	0.668
5	B3	C	6.561	5.998	6.466	0.887	0.128
6	B4	C	6.639	–	6.510	–	–
7	B5	C	6.486	–	6.291	–	–
8	B6	C	6.353	5.393	6.160	0.880	0.512
9	C1 (OL)	C	4.596	2.523	4.331	0.887	1.823
10	C2	C	4.193	3.316	4.201	0.821	0.497
11	D1 (OL)	C	5.102	3.378	5.085	0.800	1.454
12	D2	C	5.143	3.760	5.012	0.820	1.093
13	D3	C	5.276	4.010	5.055	0.821	0.976
14	D4	C	5.095	4.150	4.880	0.729	0.725
15	D5	C	5.183	4.322	5.006	0.712	0.641
16	D6	C	5.089	4.628	5.099	1.050	0.461
17	D7	C	4.829	3.373	4.647	0.626	0.936
18	E1 (OL)	C	4.935	3.440	4.835	1.200	0.895
19	E2	C	4.861	4.410	4.750	–	0.451
20	E3	C	4.896	3.318	4.776	0.800	0.978
21	E4	C	4.702	3.609	4.501	0.734	0.763
22	E5	C	4.601	3.564	4.423	0.612	0.707
23	E6	C	4.779	3.868	4.584	0.625	0.691
24	E7	C	4.563	4.010	4.607	0.600	0.403
25	E8	C	5.019	4.038	4.195	1.150	0.531
26	E9	C	5.855	5.644	5.731	0.860	−0.369
27	E10	C	6.131	5.900	6.059	0.000	0.231
28	E11	C	5.776	4.492	5.521	0.950	0.884
29	E12	C	5.492	4.671	5.342	0.650	0.701
30	E13	C	5.123	4.311	4.984	1.100	0.462
31	E14	C	5.642	4.733	5.487	1.100	0.559
32	E15	C	5.539	4.551	5.262	0.800	0.738
33	E16	C	6.233	5.183	5.990	1.000	0.800
34	E17	C	6.671	5.621	6.421	0.730	0.800
35	E18	C	6.999	5.949	6.760	0.730	0.800
36	L19	C	6.379	5.347	6.232	0.750	0.802
37	E20	C	6.119	5.058	6.138	0.825	0.726
38	E21	C	4.985	3.538	4.839	0.950	1.067
39	E22	C	5.109	3.574	5.001	0.900	0.905
40	E23	C	4.793	4.089	4.810	0.950	0.424
41	E24	C	5.012	3.980	4.834	0.900	0.732
42	E25	C	4.983	3.802	4.800	0.920	0.861
43	E26	C	4.742	3.678	4.673	0.700	0.724
44	E27	C	5.292	4.341	5.161	0.700	0.211
45	E28	C	5.344	4.551	5.116	0.750	0.613
46	E29	C	5.329	3.702	5.261	0.710	1.347
47	E31	C	5.106	4.611	5.144	0.660	0.315
48	E32	C	5.488	5.069	5.609	0.630	0.269
49	E33	C	5.811	4.784	5.618	0.930	0.687
50	E34	C	4.968	4.612	5.800	0.550	0.036
51	E35	C	5.110	4.344	4.964	0.650	0.626
52	E36	C	5.125	4.360	4.991	0.650	0.465
53	E37	C	5.492	4.450	5.280	0.650	0.662
54	E38	C	5.673	4.863	5.436	0.700	0.290
55	E39	C	5.429	4.510	5.507	0.650	0.469
56	E40	C	5.746	4.412	5.456	0.600	0.754
57	E41	C	5.429	4.810	5.679	0.650	0.139
58	E42	C	5.893	4.850	5.738	0.580	0.923
59	E43	C	5.806	4.982	5.682	0.580	0.704
60	E44	C	5.606	4.492	5.343	0.650	0.694
61	E45	C	5.542	4.728	5.404	0.650	0.454
62	E46	C	5.431	4.586	5.306	0.700	0.725
63	E47	C	4.955	4.162	4.833	0.900	0.483
64	E48	C	5.736	5.080	5.556	0.950	0.356
65	E49	C	5.202	4.453	5.186	1.150	0.499
66	E50	C	5.647	4.573	5.603	0.600	0.674
67	E51	C	5.675	4.437	5.403	0.600	0.818
68	E52	C	6.051	4.664	5.850	0.600	0.487
69	E53	C	5.868	4.762	5.825	0.700	0.346
70	E54	C	5.838	4.739	5.689	0.450	1.099
71	E55	C	5.990	4.661	5.975	0.820	0.909
72	E56	C	4.902	3.903	4.778	1.200	0.549
73	E57	C	4.980	4.149	4.901	1.200	0.651
74	E58	C	5.459	4.528	5.360	0.950	0.651
75	E59	C	5.065	4.658	4.985	–	0.087
76	E60	C	5.191	4.154	4.973	0.650	0.587
77	E61	C	5.655	3.972	5.377	0.920	1.033
78	E62	C	5.378	4.315	5.191	0.600	0.663
79	E63	C	5.461	4.553	5.202	0.600	0.558
80	E64	C	5.541	4.511	5.277	0.600	0.580
81	E65	C	5.871	4.742	5.656	0.550	0.779
82	E66	C	4.996	3.726	4.987	1.000	1.010
83	F1	C	5.365	3.859	5.228	0.950	0.706
84	F2	C	4.709	3.679	4.682	0.840	0.780
85	F3	C	4.855	3.320	4.647	0.910	1.185
86	F4	C	5.070	4.463	4.936	0.800	0.357
87	F5	C	5.829	5.481	5.581	0.700	0.148
88	F6	C	6.552	–	6.306	–	–
89	G1	C	5.183	3.349	5.001	1.000	1.834
90	G2	C	4.801	3.429	4.659	0.900	1.022
91	G3	C	5.197	4.607	5.041	0.870	0.310
92	G4	C	5.611	4.683	5.425	0.810	0.508
93	G5	C	5.667	5.443	5.657	0.810	0.014
94	G6	C	3.639	–	6.407	–	3.639
95	H1 (OL)	C	2.840	2.128	2.975	0.900	0.562
96	H2	C	3.430	0.000	3.549	–	0.640
97	H3	C	4.019	3.930	4.000	–	0.089
98	H4	C	3.935	2.930	3.750	–	0.755
99	H5	C	4.326	3.292	4.468	–	0.754
100	H6 (OL)	C	2.707	2.281	2.920	0.900	0.276
101	H7	C	3.202	2.849	3.220	0.720	0.233
102	I1 (OL)	C	4.684	4.190	4.131	0.950	0.344
103	I2	C	4.573	3.896	4.431	0.950	0.457
104	I3	C	4.491	3.478	4.725	1.200	0.813
105	I4	C	4.635	3.275	4.399	1.150	1.180
106	I5	C	4.300	3.337	4.287	1.150	0.813
107	I6	C	4.239	2.812	4.218	1.200	1.247
108	I7	C	4.541	3.310	4.262	1.200	0.941
109	I8	C	4.326	3.700	4.249	0.650	0.446
110	I9	C	4.745	3.879	4.600	0.650	0.546
111	I10	C	5.048	4.459	4.909	0.650	0.439
112	I11	C	5.012	4.397	4.965	–	0.615
113	I12	C	5.019	4.039	4.964	–	0.980
114	I13	C	5.223	–	5.002	–	–
115	I14	C	5.152	2.661	4.975	–	2.491
116	I15	C	5.042	4.275	5.134	0.700	0.517
117	I16	C	4.902	4.409	4.868	0.000	0.493
118	I17	C	4.852	4.092	4.702	0.650	0.580
119	I18	C	5.451	4.472	5.384	0.500	0.829
120	I19	C	5.461	4.582	5.200	0.600	0.529
121	I20	C	5.740	4.976	5.582	0.550	0.614
122	I21	C	4.683	–	4.692	–	–
123	I22	C	4.724	–	4.560	–	–
124	J1	C	5.247	4.709	5.114	0.600	0.438
125	J2	C	5.558	–	5.459	–	–
126	K1	C	4.724	4.003	4.710	0.635	0.501
127	K2	C	4.660	3.888	–	1.000	0.372

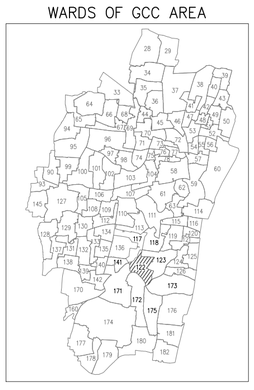
LEGEND

- Drain Outlet
- Drain With Reverse Gradient
- "–" : Manhole's Inside not Accessible

INDEX OF GCC & ULB's AREA



WARDS OF GCC AREA



LIST OF CONTROL POINTS

Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	S11	13°01'11.363"N	80°15'45.845"E	420054.330	1439443.792	3.11	On top of concrete slab inside of Corporation Ground

Control Point Located on Ward–173

S11 13°01'11.363"N 80°15'45.845"E

SCALE 1 : 5,000

250m 200 150 100 50 0 250 500m

1CM=50m

PROJECTION:
The metric grid on this sheet is the UTM grid, Zone 44 N, WGS 84 Spheroid, M.S.L. Datum.
All Dimensions are in Metres.

WARNING:
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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC)
Surveyed between 3rd December to 9th December 2020

Produced for the Project of Real Time Flood Forecasting and Spatial Decision Support System For Chennai by SECON-JBA under the World Bank funded Project Development Grant Fund (PDGF).

Roads: main; others; mud. Cart track.
Temple. Chhatri. Shrine. Mosque. Idgah. Tomb. Church.
Railways: broad gauge with station; bridge; metro.
Boundary: state; district; taluk.
Boundary: CMA; zone; ward.
Roads: without drain; with oneside drain; with both side drain.
Road with reverse gradient drain.
Spaced names: locality; village.

Drains: stormwater; feeder with flow direction. Invert level.
Canal. Outlet.Inundated area by privious flood,.
Bridge with piers. Culvert. Flyover. Subway. Sewage line.
River:dry with water channel; with island & rocks.Tidal river.
Streams: perennial; non perennial; Single line: defined. Tank.
Rain water Harvesting.Stormwater pumping station.

CLIENT	GREATER CHENNAI CORPORATION (GCC) REPRESENTING COMMISSIONERATE OF REVENUE ADMINISTRATION AND DISASTER MANAGEMENT
FUNDED BY	PROJECT DEVELOPMENT GRANT FUND (PDGF) (Managed by Tamil Nadu Urban Infrastructure Financial Services Limited)
PROJECT	PLANNING, SETTING UP AND OPERATIONALIZING REAL TIME FLOOD FORECASTING SPATIAL DECISION SUPPORT SYSTEM FOR CHENNAI
TITLE	BASE MAP - STORM WATER DRAIN WARD No. 122, ZONE IX - TEYNAMPET NAGAR
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 17 OF 114	SCALE 1:5000
DRAWING No.	CFM/SWD/WARD–17
REV.	0